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Canon

Delighting You Always

CANON WEBVIEW LIVESCOPE

NETWORK VIDEO SOLUTIONS FOR YOUR BUSINESS

Network Camera

VB-C60/B
VB-C300
VB-C50i/iR
VB-C50FSi

Network Video Recorder

VK-64/16

DiG!C NET

WebView Livescope

CANON NETWORK VIDEO SOLUTIONS

From network cameras to recording software, Canon offers a comprehensive line-up of network video solutions for today's most advanced security and monitoring applications. Combining the latest in networking technology and decades of expertise in making world-class optics, they deliver the quality and performance needed to handle all your business requirements.

WHY IS CANON SUPERIOR?

OVER 60 YEARS OF EXCELLENCE

With over 60 years of industry-leading experience and a host of groundbreaking technological innovations to its credit, Canon's reputation as a maker of world-class camera systems is one others can only look upon with envy.

WORLD-RENOWNED OPTICS

Canon lenses are the choice of professional photographers all over the world. They feature proprietary technology that delivers sharp resolution, high colour fidelity, quick and accurate focus, and seamless zooming.

HIGH-RESOLUTION IMAGES

Each network camera features a CCD sensor built to Canon's exacting specifications, ensuring high-resolution images in a variety of motion patterns and lighting conditions.

INNOVATIVE FEATURES

With a powerful 26x optical zoom to Power over Ethernet technology, Canon pushes the boundaries by developing original and revolutionary features that deliver the kind of performance you can expect from a Canon network camera.

ONE-STOP SOLUTION

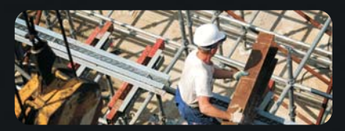
Canon offers a complete, fully integrated system from network-ready cameras to servers to software, that works seamlessly together from start to end.

HOW CAN CANON WEBVIEW WORK FOR YOU?

MEDICAL FACILITIES Monitor multiple locations to provide the highest quality care and security.

RETAIL STORE Strategically located cameras can dramatically improve security and allow employees to provide more prompt service.

CONSTRUCTION SITE Oversee security, safety practices and project status wherever you are



MUSEUM OR GALLERY Constant surveillance in multiple locations can reduce staffing requirements and ensure improved security.

TELECONFERENCING Conduct high-quality meetings with colleagues and clients all over the world for unmatched convenience.

DISTANCE LEARNING Broadcast lectures and lessons for students to access wherever they are situated.

CANON WEBVIEW LIVESCOPE SYSTEM

NETWORK CAMERAS

VB-C60 (Silver)
VB-C60B (Black)

VB-C300

VB-C50i / iR

VB-C50FSi

ANALOG PTZ CAMERAS

VC-C50i / iR

SOFTWARE

Network Video Recording Software VK-64/16

VB-C60 (Silver)
VB-C60B (Black)

Class-leading 40x Optical Zoom PTZ network camera

- Full Pan and Tilt Control
- 40x Optical Zoom / 56° Viewing Angle
- Image Stabilization
- Superior Low-Light Performance
- Auto Day/Night Mode Switching
- Shade Correction Function
- Two-Way Audio
- Motion Detection Notification
- Power over Ethernet

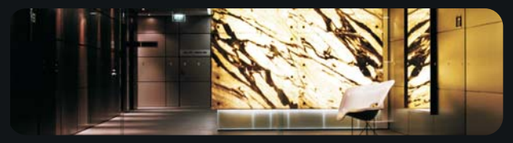
40x OPTICAL ZOOM WITH 56° HORIZONTAL FIELD OF VIEW

1x

40x

Boasting an unmatched 40x optical zoom lens, the VB-C60 makes it effortless to view close-ups of the smallest details. The wide field of view enables it to capture more of the scene than conventional models.

SUPERIOR LOW-LIGHT PERFORMANCE



A bright lens, high-sensitivity CCD, and Canon's imaging engine all work together to provide exceptional low-light performance. This ensures clear visibility of subjects in all kinds of surroundings and lighting conditions.

IMAGE STABILIZATION FOR STEADY IMAGES

Image stabilization reduces motion blur to give you sharply focused images. Useful against building vibration or locations with strong winds.

SHADE CORRECTION FUNCTION

SSC Smart Shade Control

Specially useful for backlit scenes, shade correction adjusts only the dark areas of the image to provide optimum contrast without sacrificing image quality.

SELECTABLE SETTINGS TO MATCH ENVIRONMENT

A first for network cameras, the VB-C60 offers 3 metering modes (centre-weighted, averaged, spot), 7 levels of exposure compensation, and several white balance / light source options. Whatever the environment the camera is in, you are guaranteed the highest possible image quality.

HIGH QUALITY PROGRESSIVE SCAN VIDEO

DiG!C NET

By utilising the powerful Canon DIGIC NET processor, the VB-C60 can handle simultaneous encoding of Motion-JPEG and MPEG-4 video in high-quality VGA (640 x 480) at a full 30 frames per second, perfect for live video monitoring.

Unlike conventional network cameras that use the interlaced scan format, the VB-C60 captures video images in progressive scan to deliver smooth, high-quality images of moving subjects.

MOTION DETECTION NOTIFICATION

When subject motion is detected or if the network camera's external sensor is triggered, it can be programmed to automatically send the captured images to an email address or to a mobile phone.

VK-LITE V2.0 SOFTWARE

There's no need to buy any additional software. The VB-C60 comes bundled with the VK-Lite v2.0 application that lets you monitor, record, and playback images from up to four cameras on one screen.

VB-C300

Versatile and powerful wide-angle PTZ network camera

- Ultra-wide Pan and Tilt Control
- High-Quality Videos up to 30fps
- Progressive Scan Video
- 2.4x Optical Zoom / 70 ° Viewing Angle
- Night Mode with Built-In IR
- Auto Day / Night Mode Switching
- Two-Way Audio
- Power over Ethernet

ULTRA-WIDE PAN AND TILT

With an extremely wide pan and tilt range, the VB-C300 can provide coverage for a full 360° horizontal field of view with a pan range of 170°. Viewing angle can also be easily adjusted via PC. Quick auto-focus gives you exceptionally clear images even during panning, tilting or zooming.

70° WIDE ANGLE AF ZOOM LENS

The VB-C300's Genuine Canon auto-focus lens and a wide 70° horizontal angle of view, the VB-C300 is ideal for monitoring both tight spaces and large sites.

PROGRESSIVE SCAN VIDEO

By using Progressive Scan technology that delivers smoother and higher quality images, the VB-C300 is able to clearly capture details such as facial features or licence plate numbers even on moving objects.

POWER OVER ETHERNET

The VB-C300 supports the IEEE 802.3af standard for Power over Ethernet technology, allowing it to receive both data and power through a single LAN cable.

LOW-LIGHT PERFORMANCE

Thanks to a high-sensitivity CCD, the VB-C300 captures clear, noise-free colour video up to 30 fps even in dim conditions. Auto Day & Night Mode switching enables the camera to alternate between colour capture in daylight and light-senstitive black & white video capture in dark conditions.

SIMULTANEOUS TWO-WAY AUDIO

The VB-C300 can transmit audio in real-time both to and from an authorised networked PC. This allows administrators to listen in on a camera site, make announcements, or do both at the same time.

HIGH PERFORMANCE DATA TRANSFER

The VB-C300 can deliver smooth and high quality videos up to 30 fps frame rate to multiple clients, unlike conventional network cameras that typically experience a drop in frame rate with an increase network load.

COMPACT DOME HOUSING

A compact dome housing makes the VB-C300's appearance more discrete from the outside without impeding the camera's view from within. Available in clear or smokey grey.

VB-C50i / iR

All-in-one PTZ network cameras for high-performance security monitoring

- 26x Optical Zoom
- Pan and Tilt
- Two-Way Audio
- Motion Detection
- Auto Tracking
- Shade Correction Function
- Low-Light Performance
- Night Mode with Built-In IR

VB-C50i

Pan 200°

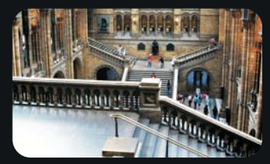
Tilt 120°
Up 90° Down 30°

VB-C50iR

Pan 340°

Tilt 100°
Up 10° Down 90°

SUPERIOR OPTICS PERFORMANCE



Utilising a genuine Canon 26x power zoom lens with 12x digital zoom, the VB-C50i and VB-50iR produce close-up images with exceptional detail, ensuring a higher level of surveillance from a distance.

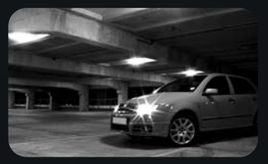
EXCELLENT PTZ CONTROL WITH AUTO TRACKING

Both cameras feature a remote controlled Pan and Tilt mechanism with a wide 200° pan and 120° tilt range. Auto tracking gives the camera the ability to pan and tilt once motion is detected and captures this movement automatically.

HIGH QUALITY VIDEO CAPTURE WITH SMOOTH NETWORK TRANSMISSION

The cameras are capable of capturing video at up to 30 frames per second (bandwidth permitting) and has a 400K pixel CCD for smooth, high quality video. Video quality and frame rate can be set freely to suit the network bandwidth, producing natural, life-like images.

NIGHT MODE FEATURE AND BUILT-IN INFRARED LIGHT



A special Night Mode feature with built-in infrared light* allows the camera to capture clear black and white even in complete darkness.

**Maximum projection range of infrared light is approx. 3m. Built-in infrared light cannot be used with a dome housing.*

COMPACT, FLEXIBLE AND USER-FRIENDLY

A compact and discreet design allows for highly effective surveillance. Only a power supply and a connection to your existing LAN are required to start streaming live video. The end result is an all-in-one network camera solution that offers full, flexible and easy interactive control for users.

VC-C50i / iR

Compact PTZ network cameras for general monitoring and surveillance

- Full Pan and Tilt Control
- 26x Optical Zoom / 42° Viewing Angle
- Night Mode with Built-In IR
- Two-Way Audio (with VB-EX50)
- Motion Detection

26x OPTICAL ZOOM / 12x DIGITAL ZOOM

These cameras are equipped with a 26x optical zoom lens that makes it possible to capture clear, high-resolution images. A further 12x digital zoom can be utilised to enlarge the image being displayed.

VC-C50i

Pan 200°

Tilt 120°
Up 90° Down 30°

LOW-LIGHT IMAGE CAPTURE

With a high-sensitivity CCD and a f/1.6 lens that is one of the fastest in its class, the VC-C50i and VC-C50IR are ideal for capturing images or surveillance purposes in low-light environments.

VERSATILE AND FLEXIBLE CONTROL

A precision pan/tilt mechanism minimises shaking and vibration while the camera's angle enables it to be used in any environment. It can be controlled via a PC connection or an optional remote control.

VC-C50iR

Pan 340°

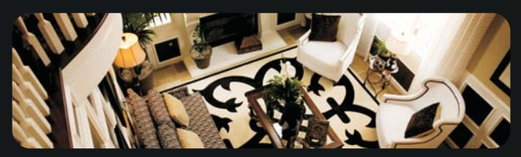
Tilt 100°
Up 10° Down 90°

NIGHT MODE FEATURE & BUILT-IN INFRARED LIGHT

A special Night Mode feature with built-in infrared light* allows the camera to capture clear black and white even in complete darkness.

**Maximum projection range of infrared light is approx. 3m. Built-in infrared light cannot be used with a dome housing.*

AUDIO OUTPUT CAPABILITY



Using the optional VB-EX50 Multi-Terminal Module, live audio signals can be sent over the network to the camera's location. Can be used to broadcast a warning to intruders or a welcome to visitors.

VB-C50FSi

Stylishly compact network camera with motion detection

- 26x Optical Zoom / 42° Viewing Angle
- Night Mode with Built-In IR
- Two-Way Audio (with VB-EX50)
- Motion Detection
- Power over Ethernet

26x OPTICAL ZOOM

The VB-C50FSi features a genuine Canon zoom lens with 26x optical zoom, making it perfect for monitoring large facilities.

EXCEPTIONAL LOW-LIGHT PERFORMANCE

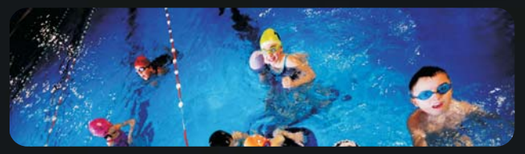
Offering superb low-light performance, the VB-C50FSi can capture colour video with as little as 1 lux* of illumination. In addition, noise reduction keeps the image clear at all times.

**Requires shutter speed of 1/30 sec.*

AUDIO OUTPUT CAPABILITY

Using the optional VB-EX50 Multi-Terminal Module, live audio signals can be sent over the network to the camera's location. Can be used to broadcast a warning to intruders or a welcome to visitors.

VERSATILE MOUNTING POSITIONS



Mounting holes on the top and bottom of the camera allows you to position the VB-C50FSi the way you want. It can be installed on a ceiling or wall, or with a tripod to accommodate virtually any room setup.

POWER OVER ETHERNET

Power over Ethernet technology allows the VB-C50FSi to receive both power and data through a single LAN cable, giving you greater installation flexibility.

VK-64 / 16

NETWORK VIDEO RECORDING SOFTWARE

Monitor and record live images from up to 64 camera servers

This highly flexible and easy-to-use program provides a comprehensive solution for all your video monitoring and recording needs. Ideal for large-scale locations with multiple cameras, multi-site businesses and any business with data storage at remote locations.

REMOTE MONITORING AND RECORDING

Using an IP network, video images from multiple cameras can be monitored and recorded from a single location. This feature can also be used to back up data in the event of a fire or other damage where the cameras are located.

SIMULTANEOUS IMAGE DISPLAY AND PLAYBACK

Up to 35 screens of live or recorded video can be displayed or played back simultaneously. You can also play back while recording or simultaneously play back images recorded at different times.

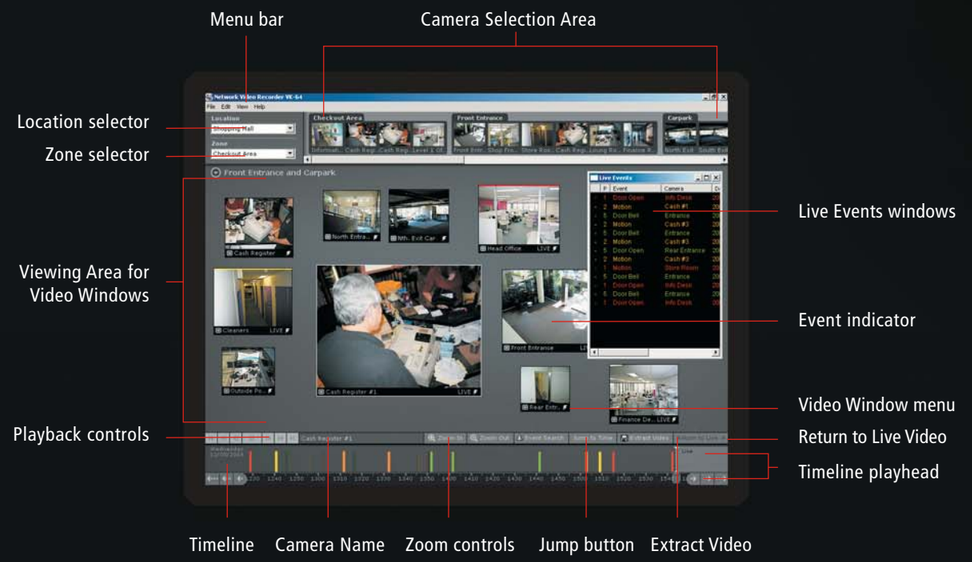
AUTOMATIC LAYOUT SWITCHING

Layout switching automatically switches the video window layout at a specified interval. It gives you the flexibility of showing critical camera images more frequently and is useful for systems with several network cameras connected.

VERSATILE CAMERA CONTROL

Take control of the camera directly from the live video window or use the camera control panel for quick and easy control.

EASY-TO-USE FREE LAYOUT SCREEN



FLEXIBLE SYSTEM CONFIGURATION

Because the VK-64/16 software and Canon WebView network cameras use an Ethernet connection, it is easier to install and add or modify cameras. This makes system building easy for small offices to large enterprises.

RECORDS UP TO 64 NETWORK CAMERAS

The VK-64 software can record video from up to 64 cameras simultaneously to a single storage server.

CUSTOMISABLE VIEWING SCREEN

The number, size and placement of image windows can be freely set in the image display area, allowing you to set screen formats tailored to your needs. They can also be saved for future use.

CONVERT RECORDED VIDEO TO QUICKTIME™

The software makes it easy to convert up to an hour of recorded video into a QuickTime™ file, which you can email to others.

Bundled Software

VIEWER FOR JAVA

Automatically downloaded from the Internet, Viewer for Java allows video from any VB-C50 series network camera to be displayed on standard Java-enabled web browsers.

VIEWER FOR PC

This pre-installed viewing application offers a faster start-up and a higher video frame rate.

VB COLLECTOR

With this software, you can collect, manage and display still images from a network camera's internal memory based on a specific schedule.

VB ADMINISTRATION TOOLS

The Administration Tools software offers you numerous ways to manage your network camera system. Also provided are different tools such as a panorama creation, view restriction, preset settings, advanced schedule settings and log viewer.

Specifications

		VB-C60 / 60B (Dome housing optional)	VB-C300 (Dome housing optional)	VB-C50FSi	VB-C50i	VB-C50iR	VC-C50i	VC-C50iR
Camera Unit	Image Sensor	1/4-inch CCD (primary color filter)	1/4-inch CCD (primary color filter)	1/4-inch CCD	1/4-inch CCD (complementary filter)		1/4-inch CCD	
	Number of Pixels	Effective 310k pixels	Effective 310k pixels	NTSC: effective: 340,000, PAL: effective 400,000				
	Scanning Method	Progressive	Progressive	2:1 Interlaced				
	Lens	40x optical zoom lens with AF (digital 4x)	2.4x optical zoom lens with AF (digital 4x)	26x power zoom (shooting at infinity)	26x optical zoom, 12x digital zoom (shooting at infinity)			
	Focal Length	f=3.4 ~ 136.0mm	f=3.0 ~ 7.2mm	f=3.5 ~ 91.0mm				
	F-number	F1.6 (W) ~ F5.6 (T)	F2.0 (W) ~ F3.4 (T)	F1.6 (W) ~ F4.0 (T)				
	Angle of view	◄► : 55.8° (W) ~ 1.5° (T) ▲▼ : 43.3° (W) ~ 1.1° (T)	◄► : 70.8° (W) ~ 29.6° (T) ▲▼ : 51.6° (W) ~ 22.1° (T)	◄► : 42° (W) ~ 1.7° (T) ▲▼ : 31.5° (W) ~ 1.2°(T)				
	Day mode/ Night mode	Switch between Auto / Manual	Switch between Auto / Manual	Manual only				
	Min. Subject Illumination	Without or with clear dome housing: Day mode: 0.7lux (F1.6, color, 1/30 sec.) Night mode: 0.2lux (F1.6, monochrome, 1/30 sec.) With smoked dome housing: Day mode: 1.4lux (F1.6, color, 1/30 sec.) Night mode: 0.4lux (F1.6, monochrome, 1/30 sec.)	Without or with clear dome housing: Day mode: 1.0lux (F2.0, color, 1/30 sec.) Night mode: 0.25lux (F2.0, monochrome, 1/30 sec.) With smoked dome housing: Day mode: 2.0lux (F2.0, color, 1/30 sec.) Night mode: 0.5lux (F2.0, monochrome, 1/30 sec.)	Normal mode: 1 lux (at F1.6, color, 1/30 sec.) Night mode: 0.35 lux (at F1.6, monochrome, 1/30 sec IR LED on)	Normal mode: 1 lux (at F1.6, color, 1/30 sec.) Night mode: 0 lux (at F1.6, monochrome, 1/30 sec IR LED on)			
	Focus	Auto / Manual (One-shot AF) / Fixed at infinity / Auto (for domes)	Auto / Manual (One-shot AF) / Fixed at infinity / Auto (for domes)	Auto / Manual				
	Focus Range	Day mode : (W) 0.3m ~ infinity / (T) 1.5m ~ infinity Night mode: (W) 0.5m ~ infinity / (T) 1.8m ~ infinity (with IR light of Night mode: (W) 0.5m ~ infinity / (T) 1.8m ~ infinity)	Day mode : (W) 0.3m ~ infinity (T) 0.3m ~ infinity Night mode : (W) 0.3m ~ infinity (T) 0.3m ~ infinity (with IR light of Night mode: (W) 0.6m ~ infinity / (T) 0.6m ~ infinity)	Auto / Manual: (W) angle : 0.01m ~ infinity / (T) 1.6m ~ infinity Night mode: (W) angle : 0.02m ~ infinity / (T) 2.3m ~ infinity				
	Shutter Speed	1/1 ~ 1/8000 sec.	1/1 ~ 1/8000 sec.	-				
	AE Mode	Auto, Flickerless, Shutter-priority AE, Manual	-	-				
	White Balance	Auto, Light Source (6 types), Lock (One-Shot WB)	Auto, Light Source (5 types), Lock (One-Shot WB)	TTL system, Auto			TTL system, Auto / Manual / One-touch	
	Optical Measurement System	3 options (Center-weighted metering mode / Average metering mode / Spot metering mode)	-	-				
	Exposure Compensation	7 levels	3 levels	-				
	Smart Shade Control	7 levels * Function that increases the brightness of shaded subjects in an image with both dark and bright areas	-	-				
	Image Stabilizer	2 levels (Electric)	-	-				
	Pan Angle	340° (◄ 170°~ ► 170°)	340° (◄ 170°~ ► 170°)	-	200° (◄ 100°~ ► 100°) "R"model = 340° (◄ 170°~ ► 170°)			
	Tilt Angle	Upright: 115° (▲ 90° ~ ▼ 25°) Inverted = 115° (▲ 25° ~ ▼ 90°)	Upright: 115° (▲ 90° ~ ▼ 25°) Inverted = 115° (▲ 25° ~ ▼ 90°)	-	120° (▲ 90° ~ ▼ 30°) "R"model = 100° (▲ 10° ~ ▼ 90°)			
	Max. Moving Rate	Pan : 150° per sec. Tilt : 150° per sec.	Pan : 90° per sec. Tilt : 70° per sec.	-	Pan : 90° per sec. Tilt : 70° per sec.			
Server	Video Compression Method	JPEG / MPEG-4 Simultaneous transmission is available.	JPEG	Motion-JPEG (for video), JPEG (for still pictures)			N.A.	
	Output Image/Video Size	JPEG: 640×480 / 320×240 / 160×120 Multi-Size Distribution (distribute images in 3 sizes simultaneously) MPEG-4: 640×480 / 320×240 fixed size delivery	JPEG : 640×480 / 320×240 / 160×120 fixed size delivery	NTSC: (640×480 , 320×240 , 160×120) PAL: (768x576 , 384x288 , 192x144)			N.A.	
	Video Quality	JPEG / MPEG-4 : 5 levels JPEG: can be set by each video size	JPEG : 5 levels	JPEG : 10 levels	10 levels		N.A.	
	Frame Rate	JPEG : 30 ~ 0.1fps MPEG-4 : 30 / 15 / 10fps	JPEG : 0.1-30fps	JPEG: 0.1-30fps (Variable)	JPEG: 0.1-30fps		N.A.	
	Max. Frame Rate	JPEG : Max. 30fps (640×480) *1 MPEG-4 : Max. 30fps (640×480) *1	JPEG : Max. 30fps (640×480) *1	JPEG: Max. 30 fps (640X480) *1			N.A.	
	Simultaneous Client Access	Max. 30 clients (MPEG-4: Max. 10 clients)	Max. 15 clients	Max. 50 clients			N.A.	
	Audio Compression Method	G.711 μ-law (64kbps)	G.711 μ-law (64kbps)	G.711 μ-law (64kbps)			N.A.	
	Audio Communication	Full duplex (two way)	Full duplex (two way)	Full duplex (two way)			N.A.	
	Audio Play	Available (Audio files can be played when an motion detection event or an external device input event occurs. *2	-	Available (Audio files can be played when an event is triggered by motion detection or external device input.)			N.A.	
	Protocol	IPv4: TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DHCP (client), DNS (client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (from Canon) IPv6: TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DNS (client), ICMPv6, POP3, NDP, NTP, SMTP authentication, WV-HTTP (from Canon)	IPv4: TCP / IP, UDP, HTTP, DHCP (client), DNS (client), ARP, ICMP, WV-HTTP (from Canon)	TCP / IP, HTTP, DHCP, FTP, WebView (Canon original)			N.A.	
	IPsec	Available	-	-			N.A.	
	Camera Control	3 user levels available (Administrator / Authorized user / Anonymous user) Authorized users can set max. 50 users' user names and passwords.	2 user levels available (Administrator / Authorized user) Authorized users can set max. 14 users' user names and passwords.	Yes (exclusive control, control time restriction, no. of waiting clients)	2 user levels available (Administrator / Authorized user) Authorized users can set max. 50 users' user names and passwords.		N.A.	
	Connection Restrictions	Access control (user name & password) / IP address control (IPv4 only) / Simultaneous client access control	Access control (user name & password) / Simultaneous client access control	Access Control (password) / Video connection time / Service time	Access control (user name & password) / IP address control / Simultaneous client access control / Service time		N.A.	
	Preset	Max. 20 positions	Max. 20 positions	10 Positions (Zoom setting only)	Max. 20 positions		N.A.	
	View Restriction	Available	-	Available	Available		N.A.	
	Motion Detection	Available (Up to 4 detection areas can be set)	-	Available	Available (Up to 4 detection areas can be set)		N.A.	
	Upload of JPEG Image	FTP / HTTP / SMTP (e-mail), camera's buffer memory for upload: Max. 6MB, Max. 10fps	-	-			N.A.	
	Event Notification	HTTP/ SMTP (e-mail)	-	SMTP (E-mail)			N.A.	
Interface	Network	LAN × 1(RJ45, 100Base-TX (Auto / Full duplex / Half duplex))	LAN × 1(RJ45, 100Base-TX / 10Base-T auto-negotiation)	LAN × 1(RJ45, 100Base-TX / 10Base-T auto-negotiation)			N.A.	
	Audio Input Terminal	Φ3.5 mini-jack connecter (monaural) LINE IN and MIC IN can be switched in the setting page. LINE IN × 1 (connect to amplifier microphone) or MIC IN × 1 (connect to microphone w/o amplifier)	Φ3.5 monaural mini-jack connector, LINE IN × 1 (connect with amplifier microphone)	Connector for Multi-Terminal Module VB-EX50 (optional) * Video output terminal (BNC) × 1 for connection with VB-EX50, Audio input terminal (monaural mini-jack connector) × 1 (MIC IN) Audio output terminal (monaural mini-jack connector) × 1 (LINE OUT), External device input terminal ×2 External device output terminal ×3			N.A.	
	Audio Output Terminal	Φ3.5 mini-jack connecter (monaural), LINE OUT × 1 (connect with amplifier speakers)	Φ3.5 mini-jack connecter (monaural), LINE OUT × 1 (connect with amplifier speakers)				N.A.	
	External Device I/O Terminal	Input × 2 Output × 2	Input × 2 Output × 1				BNC composite video out, S-Video out, RS-232C control, Terminals (1 input, 2 output)	
Others	Operating Environment	Temperature: -10 ~ 50° / Humidity: 20 ~ 85% RH (no condensing)	Temperature: -10 ~ 45° Humidity: 20 ~ 85% RH (no condensing)	Temperature: 0 ~ 40°, Humidity: 20 ~ 85% RH (condensation free)				
	Power Supply	PoE: PoE power supply via a LAN connector (IEEE802.3af compliant) Optional AC Adapter: PA-V17 (AC100V), External Power: AC24V/DC12V (use a supplied power connecter *non-polar)	PoE: PoE power supply via a LAN connector (IEEE802.3af compliant) Optional AC Adapter: PA-V17 (AC100V) External Power: AC24V/DC12V (use a supplied power connector *non-polar)	PoE: PoE power supply via a LAN connector (IEEE802.3af compliant) AC100V ±10% using the supplied AC Adapter	PA-V16 adapter 240V, 13VDC, 1.8A			
	Power Consumption	With PoE: Max. approx.10W With optional AC Adapter PA-V17: Max. approx.13W	With PoE: Max. approx.10W With optional AC Adapter PA-V17: Max. approx.13W	With PoE: 12.95W or less (Conforms to IEEE 802.3af) Camera Unit: DC13V 1.8A (Max)	Approx. 25W (using AC Adapter)		Approx. 12.5W (using AC Adapter)	
	Dimensions (W×D×H)	142 × 142 × 149 mm Main unit only (excluding rubber foot)	132 × 130 × 122 mm Main unit only (excluding rubber foot)	66.2 × 134.2 × 97.0 mm (excluding attachments)	105 ×130 × 110 mm main unit only (excl. projections)	136 × 130 × 111 mm main unit only (excl. projections)	100 × 117 × 96 mm main unit only (excl. projections)	100 × 117 × 97.6 mm main unit only (excl. projections)
	Weight (g)	Approx. 840	Approx. 780	Approx. 530	Approx. 620	Approx. 700	Approx. 420	Approx. 490

**1) The frame rate might be reduced due to some reasons, such as Viewer PC's performance, the number of clients accessing simultaneously, network load etc.*

**2) Speakers with amplifier, which are sold separately, are necessary for audio play.*